

Please replace the paragraph beginning at line 27 and ending at line 36 of page 86 with the following rewritten paragraph:

N.BstNB I:

B2

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Bbv I:

5'-GCAGCNNNNNNNNNNNNNN-3' (SEQ ID NO:105)  
3'-CGTCGNNNNNNNNNNNNNN-5' (SEQ ID NO:106)

Please replace the paragraph beginning at line 1 and ending at line 10 of page 87 with the following rewritten paragraph:

N.BstNB I:

B3

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Bci VI:

5'-GTATCCNNNNNNNN-3' (SEQ ID NO:107)  
3'-CATAGGNNNNNNNN-5' (SEQ ID NO:108)

Please replace the paragraph beginning at line 26 and ending at line 35 of page 87 with the following rewritten paragraph:

N.BstNB I:

B4

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

B4  
const.

Bmr I:

5'-ACTGGGNNNNNN-3' (SEQ ID NO:109)

3'-TGACCCNNNNNN-5' (SEQ ID NO:110)

Please replace the paragraph beginning at line 1 and ending at line 10 of page 88 with the following rewritten paragraph:

N.BstNB I:

B5

5'-GAGTCNNNNN-3' (SEQ ID NO:85)

3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Bpm I:

5'-CTGGAGNNNNNNNNNNNNNNNNNN-3' (SEQ ID NO:111)

3'-GACCTCNNNNNNNNNNNNNNNNNN-5' (SEQ ID NO:112)

Please replace the paragraph beginning at line 44 and ending at line 45 of page 88 with the following rewritten paragraph:

B6

5'-CTGGAGTCNNNNNNNNNNNNNNNNNN-3' (SEQ ID NO:113)

3'-GACCTCAGNNNNNNNNNNNNNNNNNN-5' (SEQ ID NO:114)

Please replace the paragraph beginning at line 1 and ending at line 10 of page 89 with the following rewritten paragraph:

N.BstNB I:

B7

5'-GAGTCNNNNN-3' (SEQ ID NO:85)

3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Bse RI:

B7

004

5'-GAGGAGNNNNNNNNNNNN-3' (SEQ ID NO:115)

3'-CTCCTCNNNNNNNNNNNN-5' (SEQ ID NO:116)

Please replace the paragraph beginning at line 30  
and ending at line 31 of page 89 with the following rewritten  
paragraph:

B8

5'-GAGGAGTCNNNNNNNNNN-3' (SEQ ID NO:117)

3'-CTCCTCAGNNNNNNNNNN-5' (SEQ ID NO:118)

Please replace the paragraph beginning at line 40  
and ending at line 49 of page 89 with the following rewritten  
paragraph:

N.BstNB I:

5'-GAGTCNNNNNN-3' (SEQ ID NO:85)

3'-CTCAGNNNNNN-5' (SEQ ID NO:86)

B9

Bsg I:

5'-GTGCAGNNNNNNNNNNNNNNNNNNNN-3' (SEQ ID NO:119)

3'-CACGTCNNNNNNNNNNNNNNNNNNNN-5' (SEQ ID NO:120)

Please replace the paragraph beginning at line 38  
and ending at line 47 of page 90 with the following rewritten  
paragraph:

N.BstNB I:

B10

5'-GAGTCNNNNNN-3' (SEQ ID NO:85)

3'-CTCAGNNNNNN-5' (SEQ ID NO:86)

B10

Bsm FI:

COU4.

5'-GGGACNNNNNNNNNNNNNNNN-3' (SEQ ID NO:121)  
3'-CCCTGNNNNNNNNNNNNNNNN-5' (SEQ ID NO:122)

Please replace the paragraph beginning at line 12  
and ending at line 21 of page 91 with the following rewritten  
paragraph:

N.BstNB I:

5'-GAGTCNNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNNN-5' (SEQ ID NO:86)

B11

Bsp MI:

5'-ACCTGCNNNNNNNNNNNNNN-3' (SEQ ID NO:123)  
3'-TGGACGNNNNNNNNNNNNNN-5' (SEQ ID NO:124)

Please replace the paragraph beginning at line 38  
and ending at line 47 of page 91 with the following rewritten  
paragraph:

N.BstNB I:

5'-GAGTCNNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNNN-5' (SEQ ID NO:86)

B12

Eci I:

5'-GGCGGANNNNNNNNNNNNNN-3' (SEQ ID NO:125)  
3'-CCGCTNNNNNNNNNNNNNNNN-5' (SEQ ID NO:126)

Please replace the paragraph beginning at line 12  
and ending at line 21 of page 92 with the following rewritten  
paragraph:

N.BstNB I:

5'-GAGTCNNNNN-3' (SEQ ID NO:85)

3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Fau I:

5'-CCCGCNNNNNN-3' (SEQ ID NO:127)

3'-GGGCGNNNNNN-5' (SEQ ID NO:128)

Please replace the paragraph beginning at line 40  
and ending at line 41 of page 92 with the following rewritten  
paragraph:

5'-GAGTCCCGCNNNNNN-3' (SEQ ID NO:129)

3'-CTCAGGGCGNNNNNN-5' (SEQ ID NO:130)

Please replace the paragraph beginning at line 1 and  
ending at line 10 of page 93 with the following rewritten  
paragraph:

N.BstNB I:

5'-GAGTCNNNNN-3' (SEQ ID NO:85)

3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Fok I:

5'-GGATGNNNNNNNNNNNNNN-3' (SEQ ID NO:131)

3'-CCTACNNNNNNNNNNNNNN-5' (SEQ ID NO:132)

Please replace the paragraph beginning at line 27  
and ending at line 36 of page 93 with the following rewritten  
paragraph:

N.BstNB I:

B16

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Hga I:

5'-GACGCNNNNNNNNNN-3' (SEQ ID NO:133)  
3'-CTGCGNNNNNNNNNN-5' (SEQ ID NO:134)

Please replace the paragraph beginning at line 1 and  
ending at line 10 of page 94 with the following rewritten  
paragraph:

N.BstNB I:

B17

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Hph I:

5'-GGTGANNNNNNNNNN-3' (SEQ ID NO:135)  
3'-CCACTNNNNNNNNNN-5' (SEQ ID NO:136)

Please replace the paragraph beginning at line 27  
and ending at line 36 of page 94 with the following rewritten  
paragraph:

N.BstNB I:

B18

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Mbo II:

5'-GAAGANNNNNNNNNN-3' (SEQ ID NO:137)  
3'-CTTCTNNNNNNNNNN-5' (SEQ ID NO:138)

Please replace the paragraph beginning at line 1 and ending at line 10 of page 95 with the following rewritten paragraph:

N.BstNB I:

B19

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Mly I:

5'-GAGTCNNNNN-3' (SEQ ID NO:139)  
3'-CTCAGNNNNN-5' (SEQ ID NO:140)

Please replace the paragraph beginning at line 27 and ending at line 36 of page 95 with the following rewritten paragraph:

N.BstNB I:

B20

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Mnl I:

5'-CCTCNNNNNNN-3' (SEQ ID NO:141)  
3'-GGAGNNNNNNN-5' (SEQ ID NO:142)

Please replace the paragraph beginning at line 43 and ending at line 44 of page 95 with the following rewritten paragraph:

B21

5'-GAGTCCCTCNNNNNNN-3' (SEQ ID NO:143)  
3'-CTCAGGGAGNNNNNNN-5' (SEQ ID NO:144)

Please replace the paragraph beginning at line 3 and ending at line 4 of page 96 with the following rewritten paragraph:

B22

5'-GAGTCCTC<sup>✓</sup>NNNNNNNN-3' (SEQ ID NO:145)  
3'-CTCAGGAGNNNNNNNN-5' (SEQ ID NO:146)

Please replace the paragraph beginning at line 13 and ending at line 22 of page 96 with the following rewritten paragraph:

N.BstNB I:

B23

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Ple I:

5'-GAGTCNNNNN<sup>✓</sup>-3' (SEQ ID NO:139)  
3'-CTCAGNNNNN-5' (SEQ ID NO:140)

Please replace the paragraph beginning at line 39 and ending at line 48 of page 96 with the following rewritten paragraph:

N.BstNB I:

B24

5'-GAGTCNNNNN-3' (SEQ ID NO:85)  
3'-CTCAGNNNNN-5' (SEQ ID NO:86)

Sfa NI:

5'-GCATCNNNNNNNNNN-3' (SEQ ID NO:147)  
3'-CGTAGNNNNNNNNNN-5' (SEQ ID NO:148)



Please replace the paragraph beginning at line 18 and ending at line 22 of page 180 with the following rewritten paragraph:

The paragraph beginning at line 18 and ending at line 22 of page 180 has been amended as follows:

B25  
TTTT-CGAAACCTTCATTCCAGGGACTTTCCTCACTAAGGTTCAAAGGTTCAAACGGATCCAAAAA ...  
|TTT-GCTTTGGAAGTAAGGTCCCTGAAAGGAGTGATTCCAAGTTTCCAAGTTTGCCTAGGTTTTTT... -5'

(SEQ ID NO:87, composed of SEQ ID NO:100 (bottom sequence above), 5' to 3', and SEQ ID NO:99, top sequence above)

IN THE SEQUENCE LISTING

✓  
Please substitute the attached Sequence Listing, numbered as pages 1-41 for the Sequence Listing previously submitted.